

**From:** Aaron Nissen  
**To:** Cindy Jones  
**Date:** 12/1/99 6:49PM  
**Subject:** Coal Quality- samples

Cindy;

I would like to request we collect and analyze coal and pet coke blends twice a day from the as-fired sampling system during the test burn period. I think this would give us twice the data we would have otherwise (16 vs 8 pts) and would help better correlate LOI ash samples (also being collected twice a day). Coal samples every 12 hours would help us determine how we are (or were) doing on our coal blending capabilities.

Also we will be needing quick turn around on the as-received coal trains that come in during the test burn. This is our reference coal and determines how well we actually blended (knowing HHV from all three we can back calc blend rates).

Plus can we send out several blended as-fired samples and several as-received train samples out for elemental ash analysis. Looking for sodium and vanadium compounds that are corrosive to tube metals, as well as the typical mineral analysis.

Quick review of coal data needed:

Proximate & ultimate analysis on pet coke train

Proximate & ultimate analysis plus ash fusions on 12 hour as-fired samples

Proximate & ultimate analysis plus ash fusions on as-received trains

Elemental ash analysis on composite as-fired samples

Elemental ash analysis on composite as-received samples

thanks

**CC:** James Nelson; Jerry Hintze; Jon Finlinson; Stan Smith